Amendments to the Claims

This listing of claims will replace all prior

versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) For use in a distributed

system including a server managing a master volume of data

including a plurality of at least one static attribute and at

least one dynamic attribute whose prevailing values in the

master volume of data are respectively updated and not updated

as a consequence of a command from a client, and at least two

clients C1 and C2 each managing a volume of data intended to

mirror the master volume of data, a method for data mirroring

restoration at a client freshly reconnected to the server

after a communication downtime period, the method comprising

the step of:

(~~One~~ a) storing prevailing values of dynamic attributes

of the master volume of data in temporary storage at

the server;

(~~Two~~ b) storing prevailing values of static attributes

of the master volume of data in persistent storage

at the server;

(~~Three~~ c) providing the server with a master

synchronization counter V_S incremented by the

updating of the prevailing values of one or more

static attributes in the master volume of data as a
consequence of a command from a first client C1 of
the at least two clients;

(~~Four~~ d) providing each client with a synchronization
counter V_c, the synchronization counter V_{C2} of a
second client C2 of the at least two clients only
being synchronized with the master synchronization
counter V_s on the successful uploading of the
prevailing values of the static attributes updated
in the master volume of data as a consequence of the
command from the first client C1 whereby its volume
of data mirrors the master volume of data; and

(~~Five~~ e) uploading from the master volume of data to the
freshly reconnected client's volume of data, the
prevailing values of all its dynamic attributes and,
in the case that its synchronization counter $V_{C2}<V_s$,
the prevailing values of at least all of its static
attributes whose prevailing values were updated
during the communication downtime period, otherwise
in the case that $V_s=V_{C2}$, taking no data mirroring
restoration action in respect of the static
attributes.

2. (original) The method according to claim 1 wherein step (e) includes the uploading the prevailing values of all the static attributes from the master volume of data to the freshly reconnected client's volume of data in the case that its synchronization counter $V_{C2} < V_S$.

3. (original) The method according to claim 1 wherein step (c) includes providing the server with a transaction log for listing upto N data object identifiers of data objects containing at least one static attribute on a First In First Out (FIFO) basis in respect of the updating of the prevailing values of one or more of their static attributes, and step (e) includes the uploading from the master volume of data to the freshly reconnected client's volume of data the prevailing values of either all the static attributes in the case that $V_S - V_{C2} > N$, or all the static attributes of the last $V_S - V_{C2}$ data objects listed in the transaction log in the case that $V_S - V_{C2} \leq N$.

4. (original) The method according to claim 3 further comprising the step of:

(f) when the transaction log is full, deleting an earlier listing of a data object therefrom, if it exists, on adding the same data object thereto,

whereby the transaction log contains at most only a single listing of a data object, if at all.

5. (original) A computer program adapted to carry out the method according to any one of claims 1 to 4.

6. (original) A telecommunication network system adapted to carry out the method according to any one of claims 1 to 4.